


**PCT REQUEST**

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CFO17741WO

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| <b>0</b>   | <b>For receiving Office use only</b>                         |  |
| <b>0-1</b> | International Application No.                                |  |
| <b>0-2</b> | International Filing Date                                    |  |
| <b>0-3</b> | Name of receiving Office and "PCT International Application" |  |



|                |  |   |
|----------------|--|---|
| <b>0-4</b>     | <b>Form - PCT/RO/101 PCT Request</b>   |   |
| <b>0-4-1</b>   | Prepared using   | <b>PCT-EASY Version 2.92<br/>(updated 01.07.2003)</b>   |
| <b>0-5</b>     | <b>Petition</b><br>The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |   |
| <b>0-6</b>     | <b>Receiving Office (specified by the applicant)</b>   | <b>Japan Patent Office (RO/JP)</b>  |
| <b>0-7</b>     | <b>Applicant's or agent's file reference</b>   | <b>CFO17741WO</b>   |
| <b>I</b>       | <b>Title of invention</b>  | <b>CHARGE CONTROLLING AGENT CONTAINING NOVEL POLYHYDROXYALKANOATE CONTAINING UNIT CONTAINING CARBOXYL GROUP ON SIDE CHAIN IN MOLECULE, TONER BINDER AND TONER, AND IMAGE FORMATION METHOD AND IMAGE FORMING APPARATUS USING TONER</b> |
| <b>II</b>      | <b>Applicant</b>   |   |
| <b>II-1</b>    | This person is:  | <b>applicant only</b>   |
| <b>II-2</b>    | Applicant for  | <b>all designated States except US</b>  |
| <b>II-4</b>    | Name   | <b>CANON KABUSHIKI KAISHA</b>   |
| <b>II-5</b>    | Address:   | <b>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b>  |
| <b>II-6</b>    | State of nationality   | <b>JP</b>   |
| <b>II-7</b>    | State of residence   | <b>JP</b>   |
| <b>II-8</b>    | Telephone No.  | <b>03-3758-2111</b>   |
| <b>II-9</b>    | Facsimile No.  | <b>03-3756-0947</b>   |
| <b>III-1</b>   | <b>Applicant and/or inventor</b>   |   |
| <b>III-1-1</b> | This person is:  | <b>applicant and inventor</b>   |
| <b>III-1-2</b> | Applicant for  | <b>US only</b>  |
| <b>III-1-4</b> | Name (LAST, First)   | <b>MIHARA, Chieko</b>   |
| <b>III-1-5</b> | Address:   | <b>c/o CANON KABUSHIKI KAISHA<br/>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b>   |
| <b>III-1-6</b> | State of nationality   | <b>JP</b>   |
| <b>III-1-7</b> | State of residence   | <b>JP</b>   |

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|              |                                  |   |
|--------------|----------------------------------|---|
| <b>III-2</b> | <b>Applicant and/or Inventor</b> |   |
| III-2-1      | This person is:                  | <b>applicant and inventor</b>   |
| III-2-2      | Applicant for                    | <b>US only</b>  |
| III-2-4      | Name (LAST, First)               | <b>YANO, Tetsuya</b>  |
| III-2-5      | Address:                         | <b>c/o CANON KABUSHIKI KAISHA<br/>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b> |
| III-2-6      | State of nationality             | <b>JP</b>   |
| III-2-7      | State of residence               | <b>JP</b>   |
| <b>III-3</b> | <b>Applicant and/or Inventor</b> |   |
| III-3-1      | This person is:                  | <b>applicant and inventor</b>   |
| III-3-2      | Applicant for                    | <b>US only</b>  |
| III-3-4      | Name (LAST, First)               | <b>KOZAKI, Shinya</b>   |
| III-3-5      | Address:                         | <b>c/o CANON KABUSHIKI KAISHA<br/>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b> |
| III-3-6      | State of nationality             | <b>JP</b>   |
| III-3-7      | State of residence               | <b>JP</b>   |
| <b>III-4</b> | <b>Applicant and/or Inventor</b> |   |
| III-4-1      | This person is:                  | <b>applicant and inventor</b>   |
| III-4-2      | Applicant for                    | <b>US only</b>  |
| III-4-4      | Name (LAST, First)               | <b>HONMA, Tsutomu</b>   |
| III-4-5      | Address:                         | <b>c/o CANON KABUSHIKI KAISHA<br/>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b> |
| III-4-6      | State of nationality             | <b>JP</b>   |
| III-4-7      | State of residence               | <b>JP</b>   |
| <b>III-5</b> | <b>Applicant and/or Inventor</b> |   |
| III-5-1      | This person is:                  | <b>applicant and inventor</b>   |
| III-5-2      | Applicant for                    | <b>US only</b>  |
| III-5-4      | Name (LAST, First)               | <b>KENMOKU, Takashi</b>   |
| III-5-5      | Address:                         | <b>c/o CANON KABUSHIKI KAISHA<br/>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b> |
| III-5-6      | State of nationality             | <b>JP</b>   |
| III-5-7      | State of residence               | <b>JP</b>   |

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|              |   |   |
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| <b>III-6</b> | <b>Applicant and/or Inventor</b>  |   |
| III-6-1      | This person is:   | <b>applicant and inventor</b>   |
| III-6-2      | Applicant for   | <b>US only</b>  |
| III-6-4      | Name (LAST, First)  | <b>FUKUI, Tatsuki</b>   |
| III-6-5      | Address:  | <b>c/o CANON KABUSHIKI KAISHA<br/>3-30-2, Shimomaruko<br/>Ohta-ku, Tokyo 146-8501<br/>Japan</b>   |
| III-6-6      | State of nationality  | <b>JP</b>   |
| III-6-7      | State of residence  | <b>JP</b>   |
| <b>IV-1</b>  | <b>Agent or common representative; or<br/>address for correspondence</b>  |   |
|              | The person identified below is<br>hereby/has been appointed to act on<br>behalf of the applicant(s) before the<br>competent International Authorities as: | <b>agent</b>  |
| IV-1-1       | Name (LAST, First)  | <b>OKABE, Masao</b>   |
| IV-1-2       | Address:  | <b>No. 602, Fuji Bldg.<br/>2-3, Marunouchi 3-chome<br/>Chiyoda-ku, Tokyo 100-0005<br/>Japan</b>   |
| IV-1-3       | Telephone No.   | <b>03-3213-1561</b>   |
| IV-1-4       | Facsimile No.   | <b>03-3214-0929</b>   |
| <b>IV-2</b>  | <b>Additional agent(s)</b>  |   |
| IV-2-1       | Name(s)   | <b>additional agent(s) with same address as<br/>first named agent<br/>KATO, Nobuaki; UBUKATA, Kazuo; USUI,<br/>Shinichi; FUJINO, Ikuo; OCHI, Takao;<br/>MOTOMIYA, Teruhisa; TAKANASHI,<br/>Norimichi; ASahi, Nobumitsu; TAKAHASHI,<br/>Seiichiro; YOSHIZAWA, Hiroshi; MATSUI,<br/>Takao</b> |

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|             |   |   |
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| <b>V</b>    | <b>Designation of States</b>  |   |
| <b>V-1</b>  | Regional Patent<br>(other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)   | <b>AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</b><br><b>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</b><br><b>EP: AT BE BG CH&amp;LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</b><br><b>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</b> |
| <b>V-2</b>  | National Patent<br>(other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)   | <b>AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&amp;LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</b>  |
| <b>V-5</b>  | <b>Precautionary Designation Statement</b><br><br>In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. |   |
| <b>V-6</b>  | <b>Exclusion(s) from precautionary designations</b>   | <b>NONE</b>   |
| <b>VI-1</b> | <b>Priority claim of earlier national application</b>   |   |
| VI-1-1      | Filing date   | <b>24 October 2002 (24.10.2002)</b>   |
| VI-1-2      | Number  | <b>Patent Application No. 2002-310249</b>   |
| VI-1-3      | Country   | <b>JP</b>   |
| <b>VI-2</b> | <b>Priority claim of earlier national application</b>   |   |
| VI-2-1      | Filing date   | <b>16 October 2003 (16.10.2003)</b>   |
| VI-2-2      | Number  | <b>Patent Application No. 2003-356962</b>   |
| VI-2-3      | Country   | <b>JP</b>   |

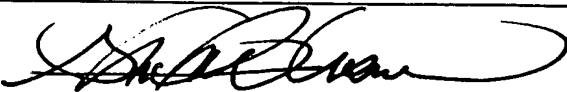
|        |   |  |                             |
|--------|---|--|-----------------------------|
| VI-3   | <b>Priority document request</b><br>The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | <b>VI-1, VI-2</b>  |                             |
| VII-1  | <b>International Searching Authority Chosen</b>   | <b>European Patent Office (EPO) (ISA/EP)</b>                         |                             |
| VIII   | <b>Declarations</b>   | Number of declarations   |                             |
| VIII-1 | Declaration as to the identity of the inventor  | -  |                             |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent  | -  |                             |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application  | -  |                             |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America)  | -  |                             |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty  | -  |                             |
| IX     | <b>Check list</b>   | number of sheets   | electronic file(s) attached |
| IX-1   | Request (including declaration sheets)  | <b>6</b>   | -                           |
| IX-2   | Description   | <b>147</b>   | -                           |
| IX-3   | Claims  | <b>14</b>  | -                           |
| IX-4   | Abstract  | <b>2</b>   | <b>EZABST00.TXT</b>         |
| IX-5   | Drawings  | <b>7</b>   | -                           |
| IX-7   | TOTAL   | <b>176</b>   |                             |
|        | <b>Accompanying items</b>   | paper document(s) attached   | electronic file(s) attached |
| IX-8   | Fee calculation sheet   | ✓  | -                           |
| IX-9   | Original separate power of attorney   | ✓  | -                           |
| IX-15  | Separate indications concerning deposited microorganism or other biological material  | ✓  | -                           |
| IX-17  | PCT-EASY diskette   | -  | <b>Diskette</b>             |
| IX-18  | Other (specified):  | <b>Receipt of the fees paid to deposit account of WIPO</b>           | -                           |
| IX-18  | Other (specified):  | <b>Receipt of the fees paid to deposit account of EPO</b>            | -                           |
| IX-18  | Other (specified):  | <b>Revenue stamps</b>  | -                           |
| IX-18  | Other (specified):  | <b>Four copies of the RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT</b> | -                           |
| IX-19  | Figure of the drawings which should accompany the abstract  |  |                             |
| IX-20  | Language of filing of the international application   | <b>English</b>   |                             |

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|       |  |  |
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| X-1   | Signature of applicant, agent or common representative |  |
| X-1-1 | Name (LAST, First)                                     | USUI, Shinichi   |

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|        |   |        |
|--------|---|--------|
| 10-1   | Date of actual receipt of the purported international application   |        |
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/EP |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

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| 11-1 | Date of receipt of the record copy by the International Bureau |  |
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|------------|--|--|
| <b>0-1</b> | <b>Form - PCT/RO/134 (EASY)</b><br><b>Indications Relating to Deposited Microorganism(s) or Other Biological Material (PCT Rule 13bis)</b> |  |
| 0-1-1      | Prepared using   | <b>PCT-EASY Version 2.92</b><br><b>(updated 01.07.2003)</b>                                  |
| <b>0-2</b> | <b>International Application No.</b>   |  |
| <b>0-3</b> | <b>Applicant's or agent's file reference</b>   | <b>CFO17741WO</b>  |
| <b>1</b>   | <b>The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:</b> |  |
| 1-1        | page   | <b>27</b>  |
| 1-2        | line   | <b>5</b>   |
| <b>1-3</b> | <b>Identification of Deposit</b>   |  |
| 1-3-1      | Name of depositary institution   | <b>International Patent Organism Depository</b>  |
| 1-3-2      | Address of depositary institution  | <b>AIST Tsukuba Central 6, 1-1, Higashi 1-chome, Tsukuba-shi, Ibaraki-Ken 305-8566 Japan</b> |
| 1-3-3      | Date of deposit  | <b>20 November 2000 (20.11.2000)</b>   |
| 1-3-4      | Accession Number   | <b>IPOD FERM BP-7375</b>   |
| <b>1-4</b> | <b>Additional Indications</b>  | <b>NONE</b>  |
| <b>1-5</b> | <b>Designated States for Which Indications are Made</b>  | <b>all designated States</b>   |
| <b>1-6</b> | <b>Separate Furnishing of Indications</b><br>These indications will be submitted to the International Bureau later                         | <b>NONE</b>  |
| <b>2</b>   | <b>The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:</b> |  |
| 2-1        | page   | <b>27</b>  |
| 2-2        | line   | <b>6</b>   |
| <b>2-3</b> | <b>Identification of Deposit</b>   |  |
| 2-3-1      | Name of depositary institution   | <b>International Patent Organism Depository</b>  |
| 2-3-2      | Address of depositary institution  | <b>AIST Tsukuba Central 6, 1-1, Higashi 1-chome, Tsukuba-shi, Ibaraki-Ken 305-8566 Japan</b> |
| 2-3-3      | Date of deposit  | <b>20 November 2000 (20.11.2000)</b>   |
| 2-3-4      | Accession Number   | <b>IPOD FERM BP-7374</b>   |
| <b>2-4</b> | <b>Additional Indications</b>  | <b>NONE</b>  |
| <b>2-5</b> | <b>Designated States for Which Indications are Made</b>  | <b>all designated States</b>   |
| <b>2-6</b> | <b>Separate Furnishing of Indications</b><br>These indications will be submitted to the International Bureau later                         | <b>NONE</b>  |

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|            |  |  |
|------------|--|--|
| <b>3</b>   | <b>The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:</b> |  |
| 3-1        | page   | <b>27</b>  |
| 3-2        | line   | <b>7</b>   |
| <b>3-3</b> | <b>Identification of Deposit</b>   |  |
| 3-3-1      | Name of depositary institution   | <b>International Patent Organism Depository</b>  |
| 3-3-2      | Address of depositary institution  | <b>AIST Tsukuba Central 6, 1-1, Higashi 1-chome, Tsukuba-shi, Ibaraki-Ken 305-8566 Japan</b> |
| 3-3-3      | Date of deposit  | <b>20 November 2000 (20.11.2000)</b>   |
| 3-3-4      | Accession Number   | <b>IPOD FERM BP-7376</b>   |
| <b>3-4</b> | <b>Additional Indications</b>  | <b>NONE</b>  |
| <b>3-5</b> | <b>Designated States for Which Indications are Made</b>  | <b>all designated States</b>   |
| <b>3-6</b> | <b>Separate Furnishing of Indications</b>  | <b>NONE</b>  |
|            | These indications will be submitted to the International Bureau later  |  |
| <b>4</b>   | <b>The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:</b> |  |
| 4-1        | page   | <b>27</b>  |
| 4-2        | line   | <b>8</b>   |
| <b>4-3</b> | <b>Identification of Deposit</b>   |  |
| 4-3-1      | Name of depositary institution   | <b>International Patent Organism Depository</b>  |
| 4-3-2      | Address of depositary institution  | <b>AIST Tsukuba Central 6, 1-1, Higashi 1-chome, Tsukuba-shi, Ibaraki-Ken 305-8566 Japan</b> |
| 4-3-3      | Date of deposit  | <b>20 November 2000 (20.11.2000)</b>   |
| 4-3-4      | Accession Number   | <b>IPOD FERM BP-7373</b>   |
| <b>4-4</b> | <b>Additional Indications</b>  | <b>NONE</b>  |
| <b>4-5</b> | <b>Designated States for Which Indications are Made</b>  | <b>all designated States</b>   |
| <b>4-6</b> | <b>Separate Furnishing of Indications</b>  | <b>NONE</b>  |
|            | These indications will be submitted to the International Bureau later  |  |

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| <b>0-4</b>   | <b>This form was received with the international application:</b><br>(yes or no) |  |
| <b>0-4-1</b> | Authorized officer   |  |

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| <b>0-5</b> | <b>This form was received by the international Bureau on:</b> |  |
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| 0-5-1 | Authorized officer |  |
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